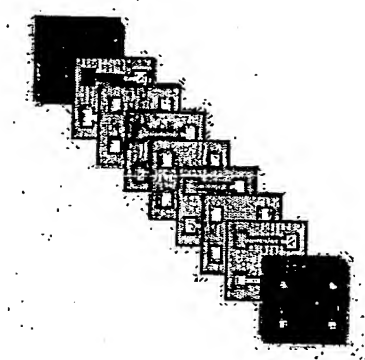
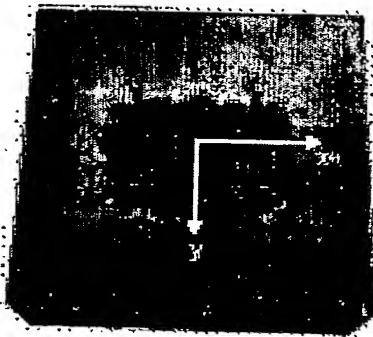


FIG. 1



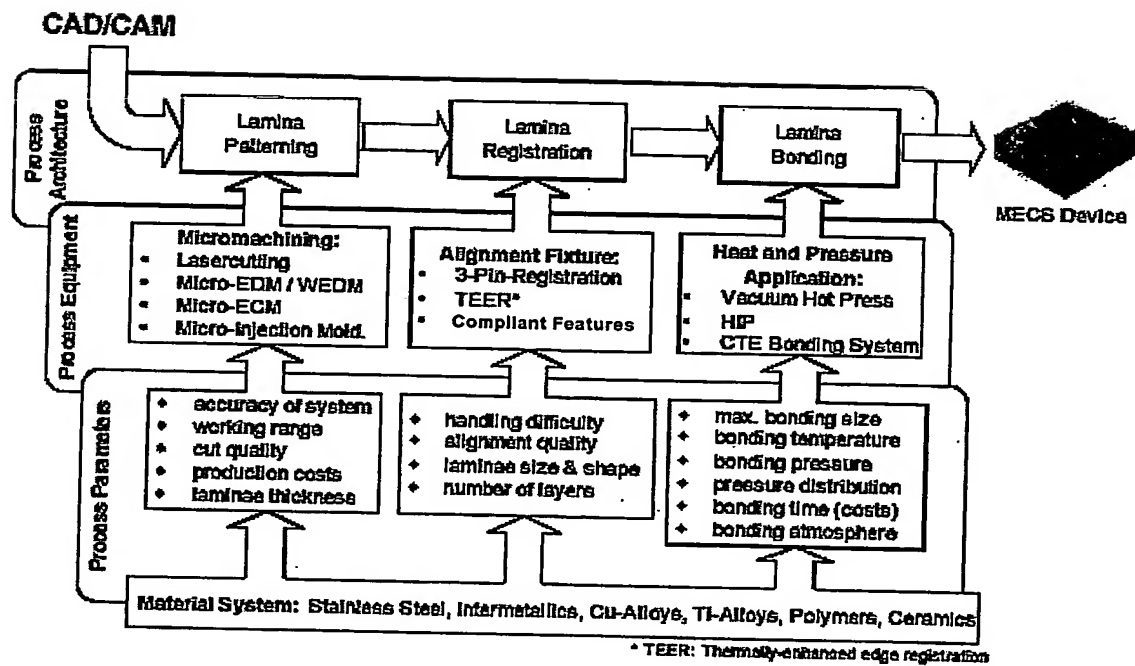
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FIG. 2



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FIG. 3



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FIG. 4

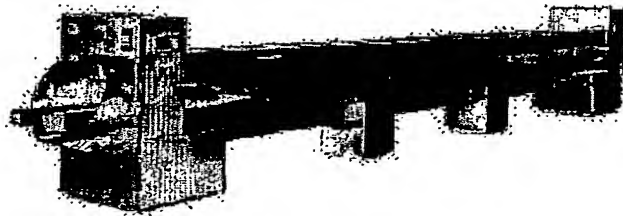


FIG. 5

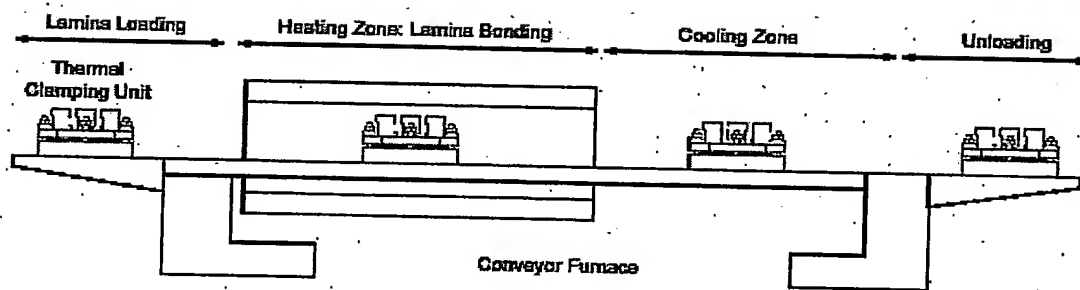


FIG. 6

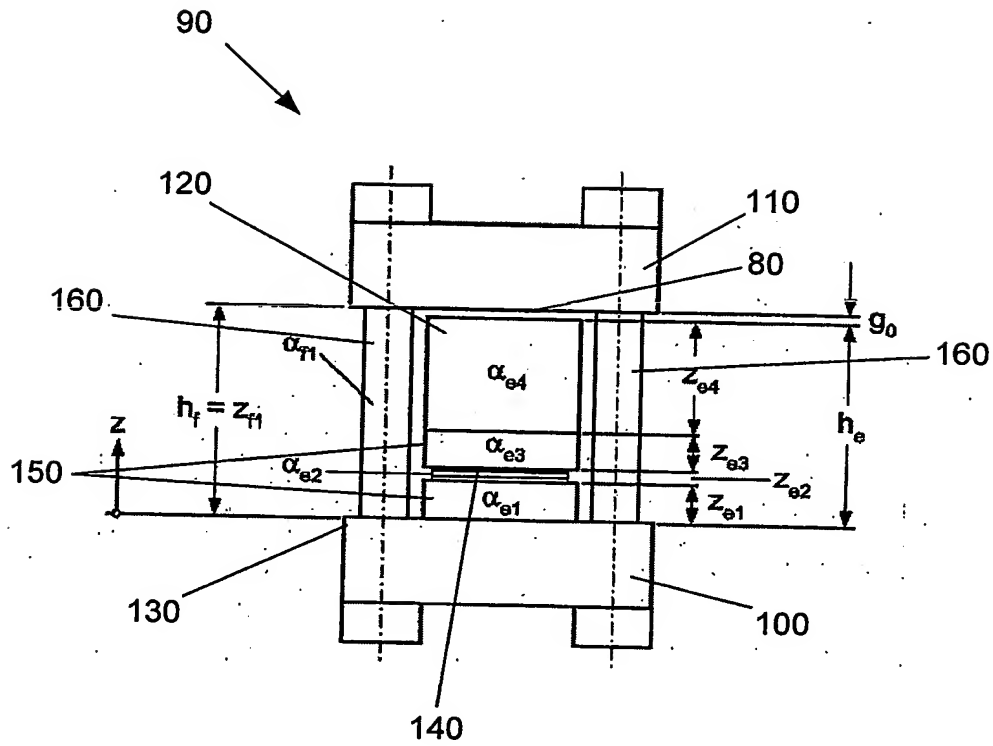


FIG. 7

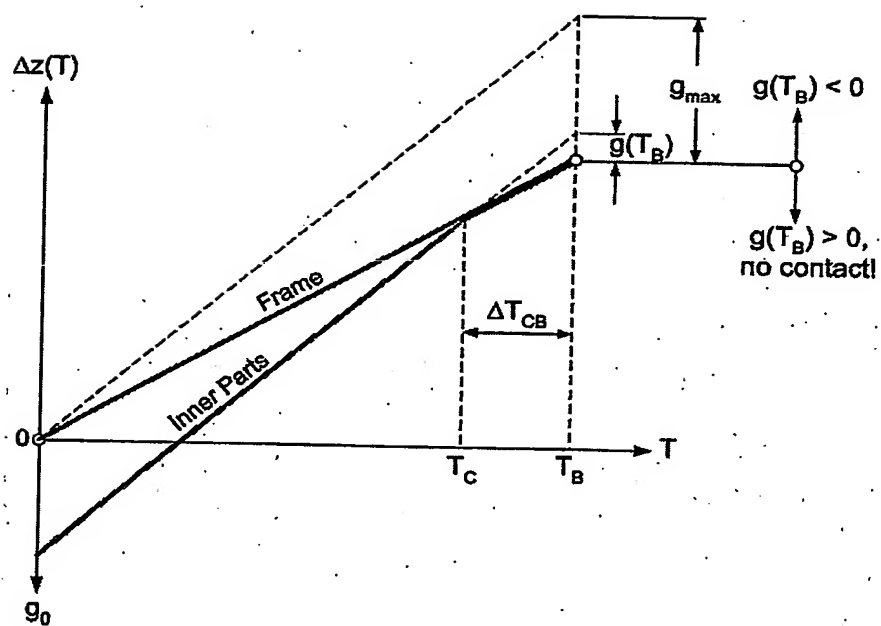


FIG. 8

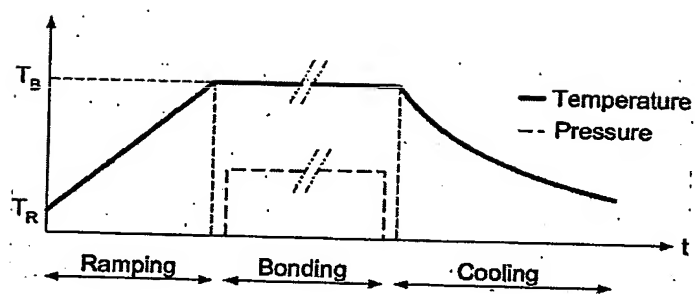


FIG. 9

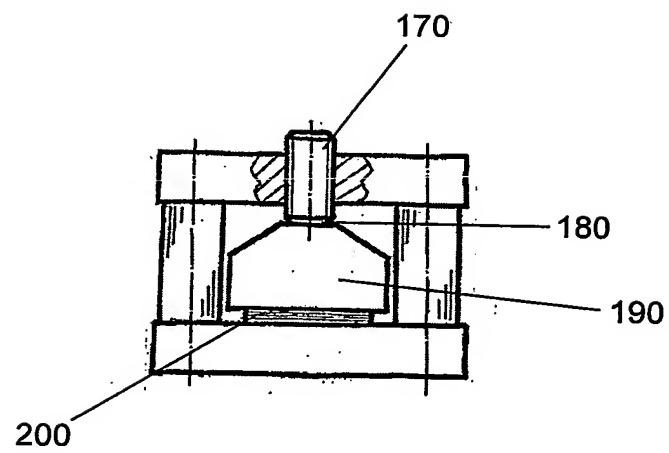


FIG. 10

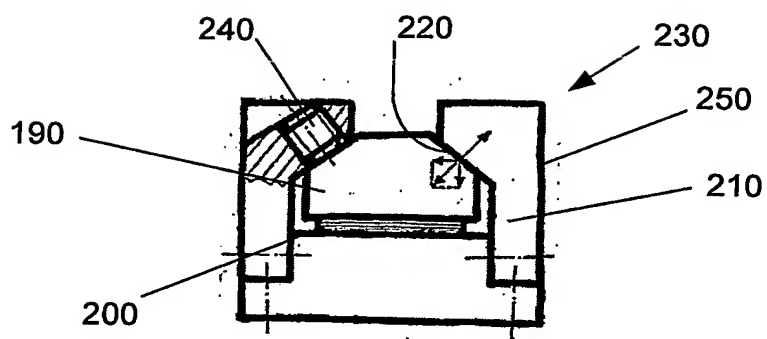


FIG. 11

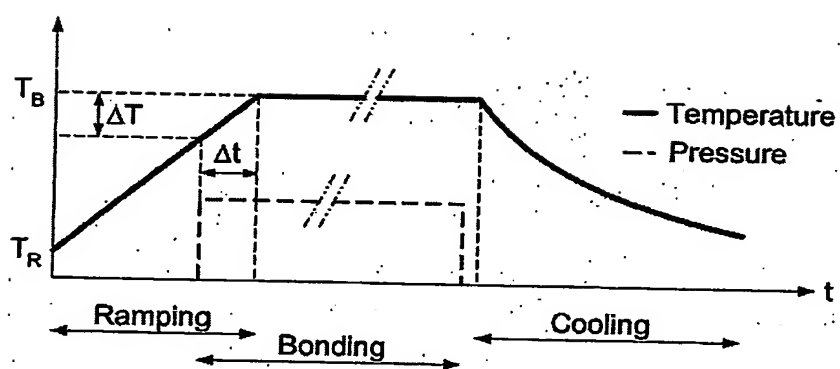


FIG. 12

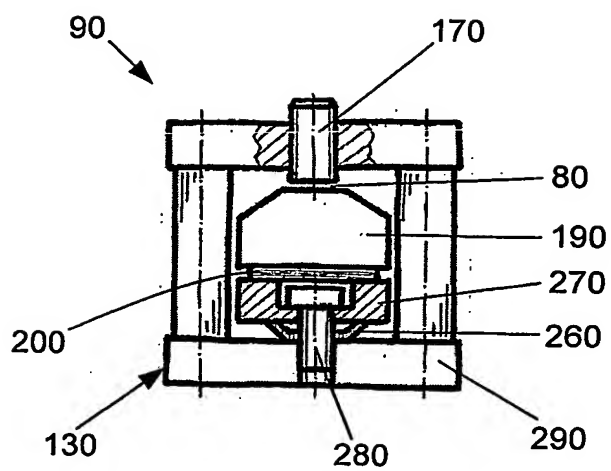


FIG. 13

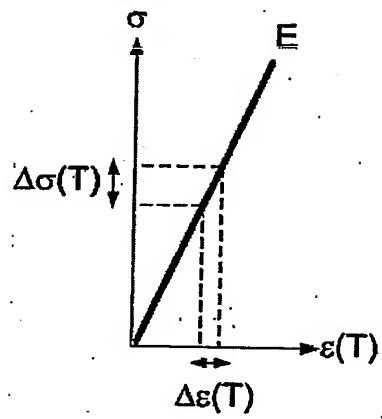


FIG. 14

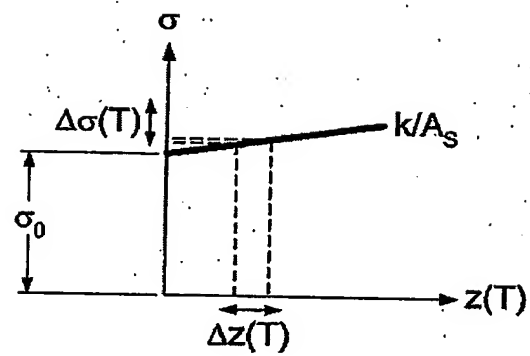


FIG. 15

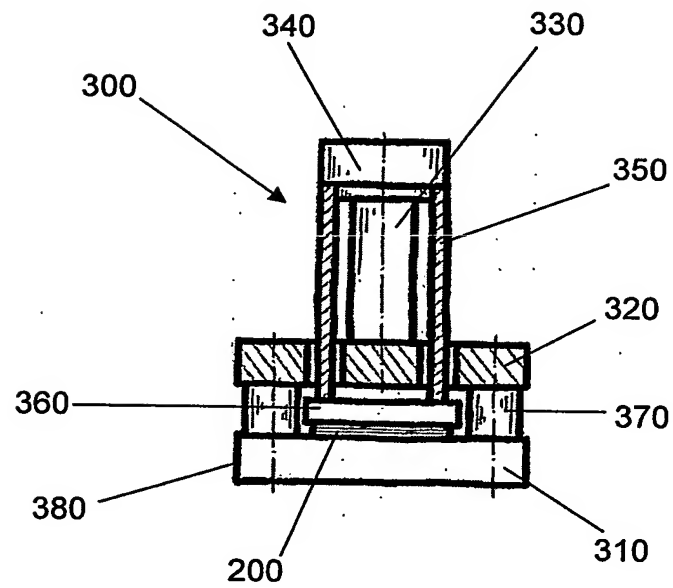


FIG. 16a

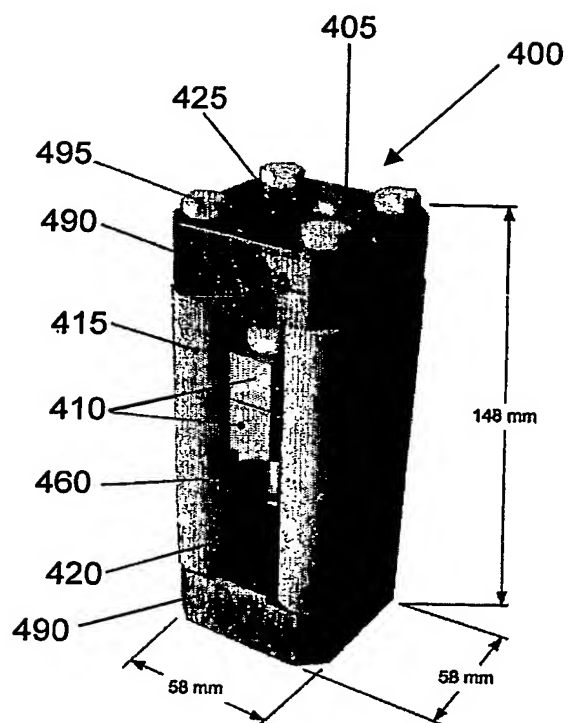


FIG. 16b

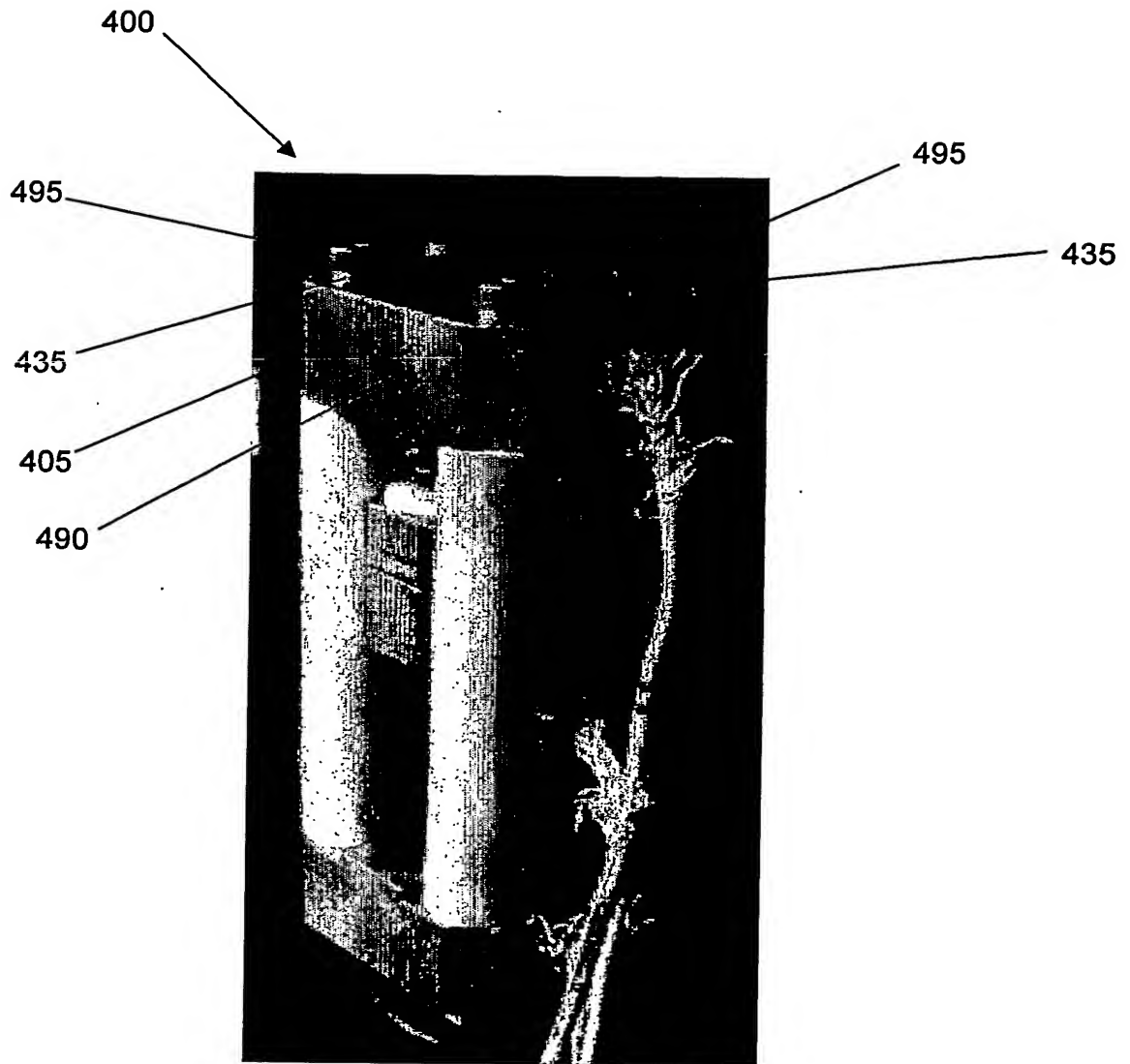


FIG. 17

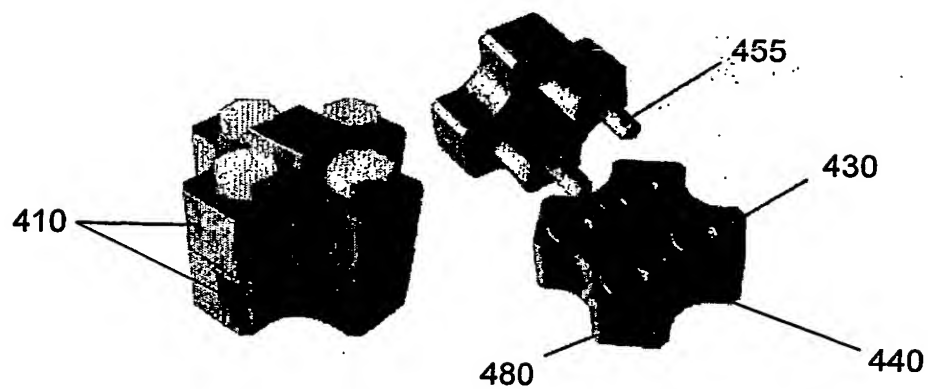


FIG. 18

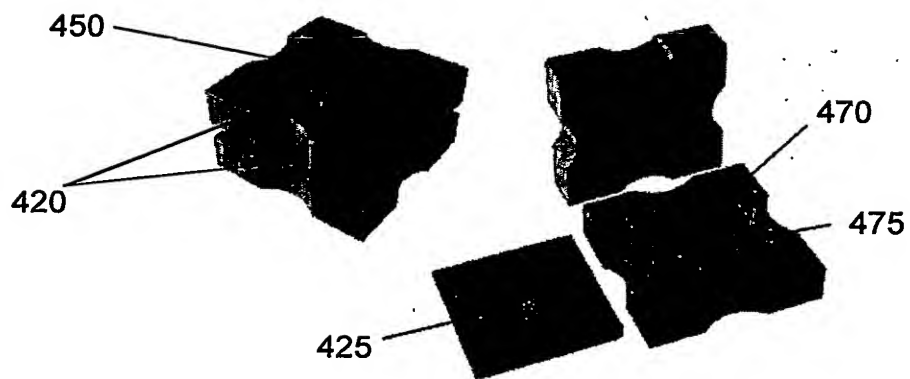


FIG. 19

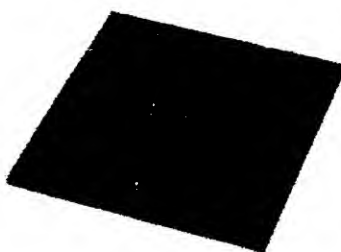


FIG. 20

Means and 95.0 Percent Confidence Intervals

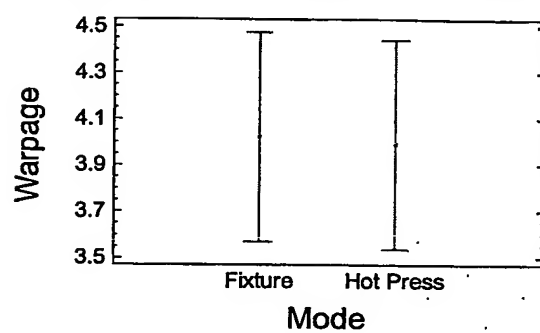
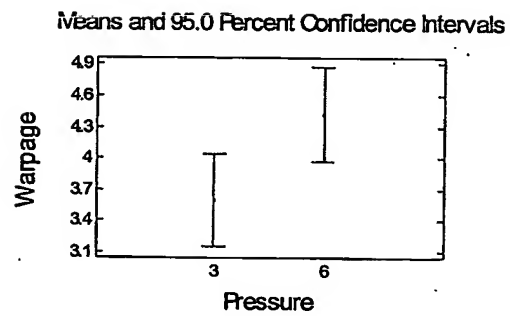


FIG. 21



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FIG. 22

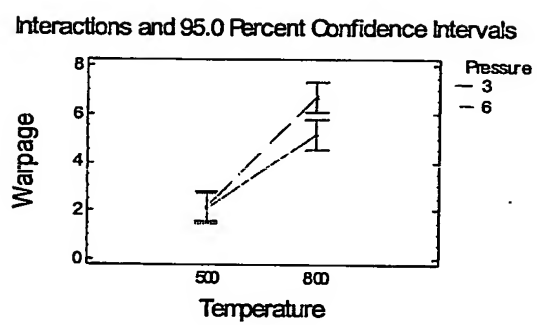


FIG. 23

Interactions and 95.0 Percent Confidence Intervals

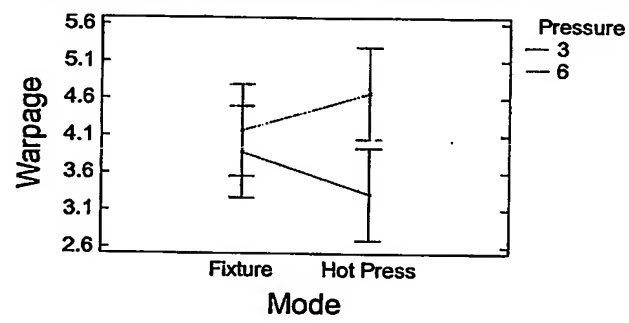


FIG. 24

Hot Press 800°C / 6MPa / 60min	Δ CTE-Fixture 800°C / 6MPa / 60min
Avg. Void Fraction: 8.0%	Avg. Void Fraction: 9.6%

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FIG. 25

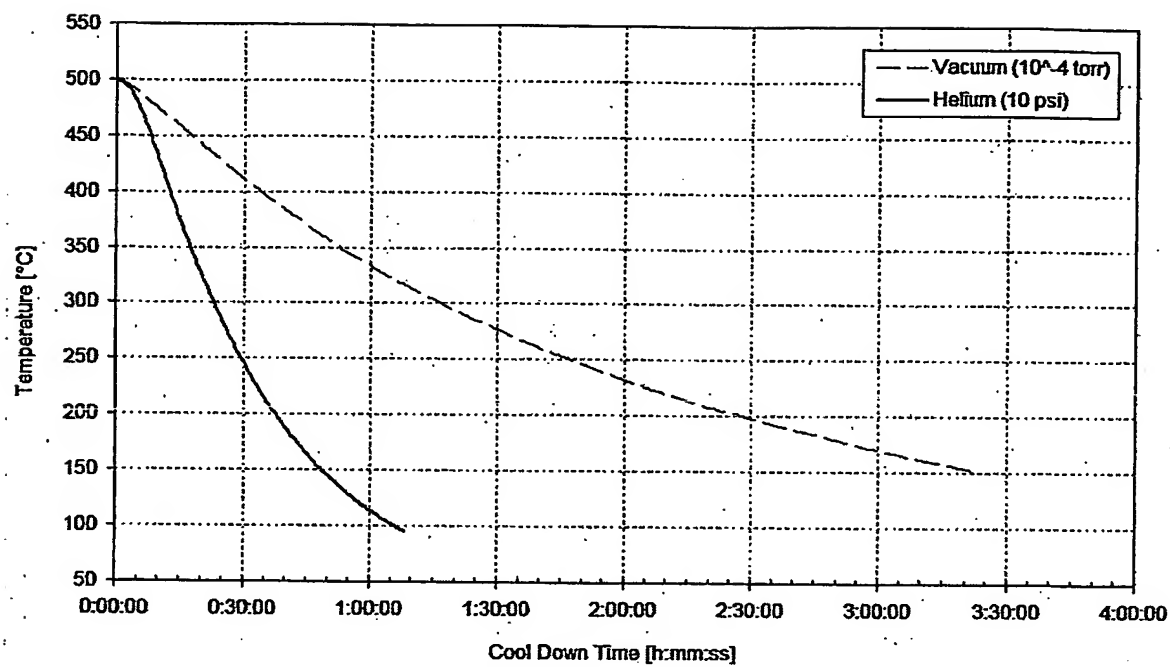


FIG. 26

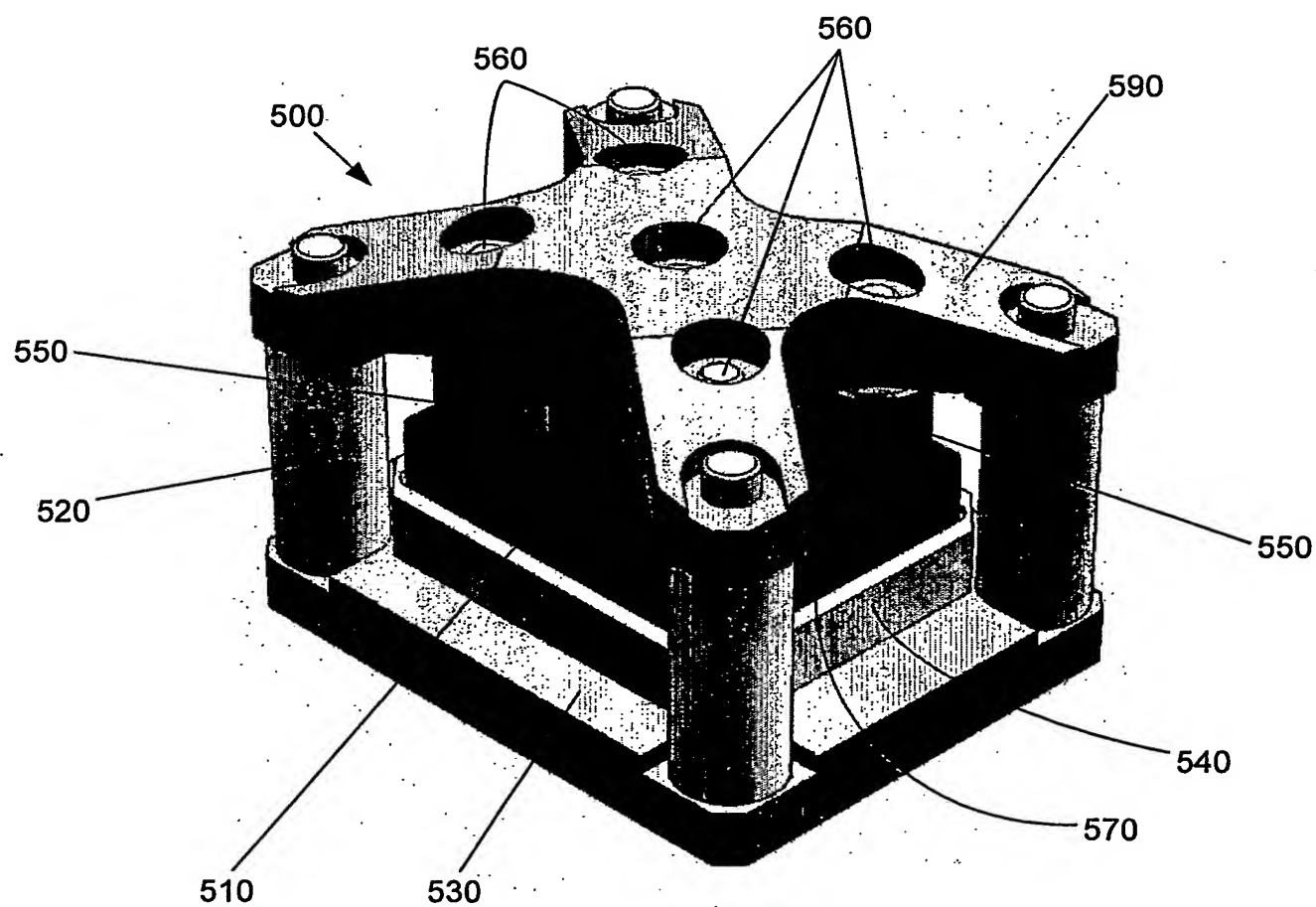


FIG. 27

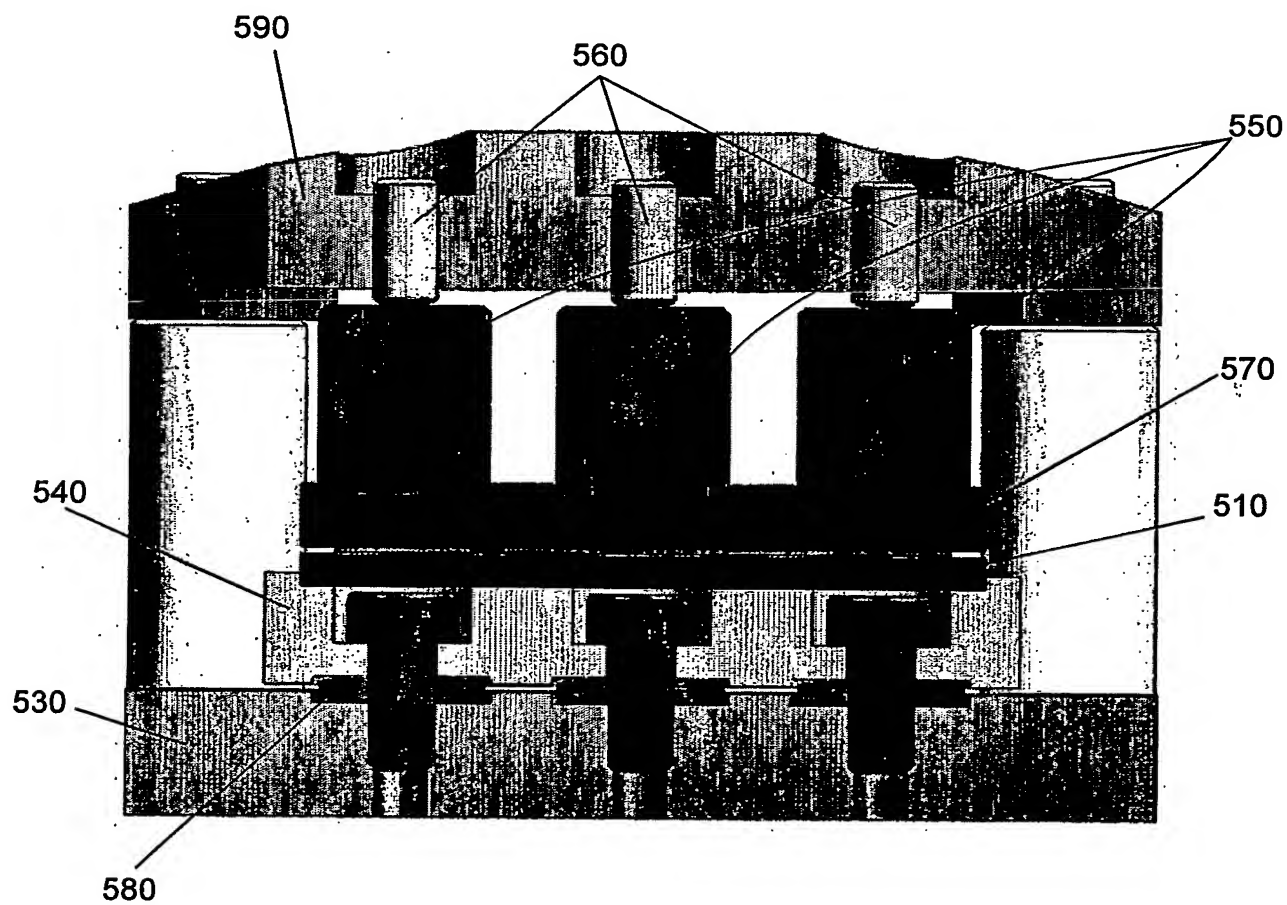


FIG. 28

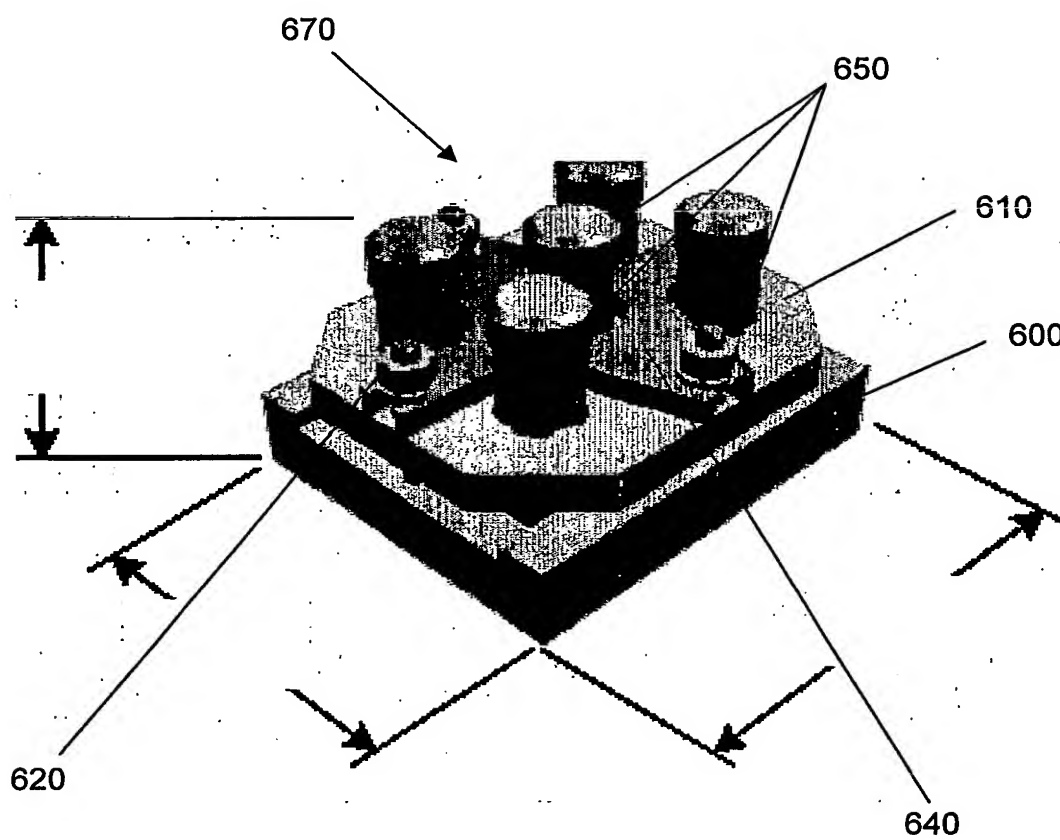


FIG. 29

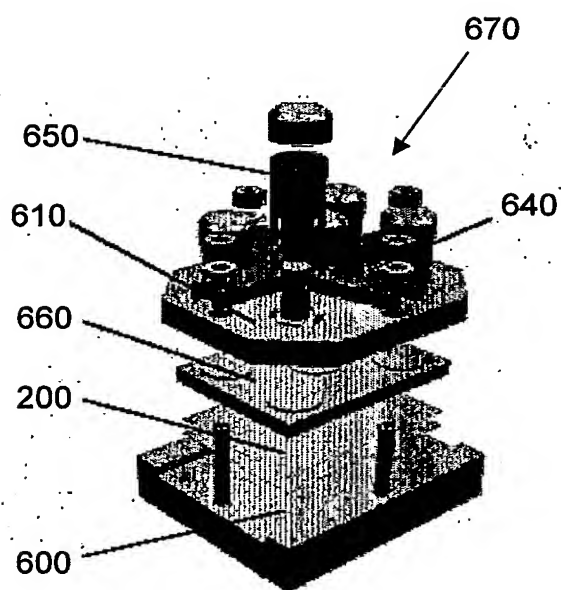


FIG. 30

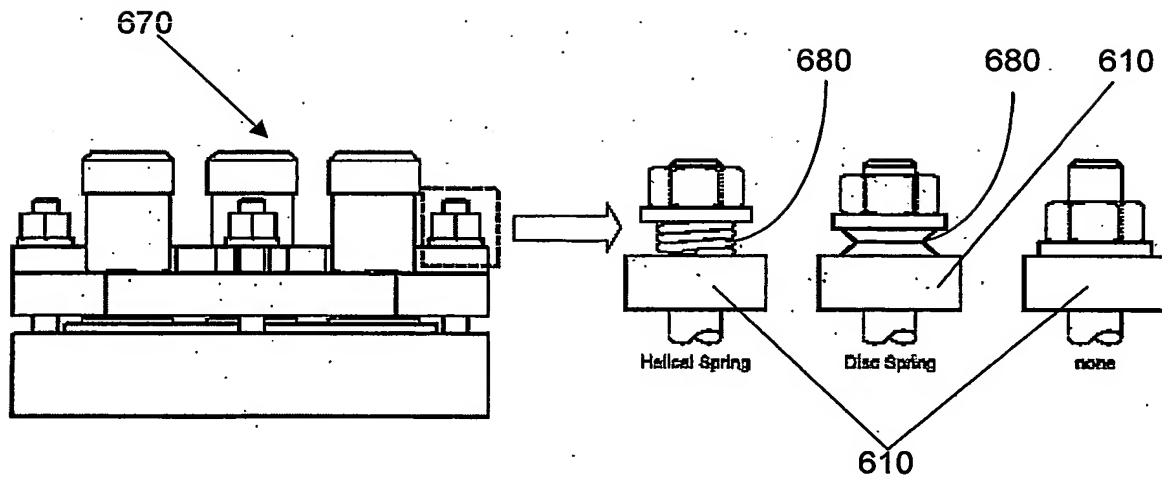


FIG. 31

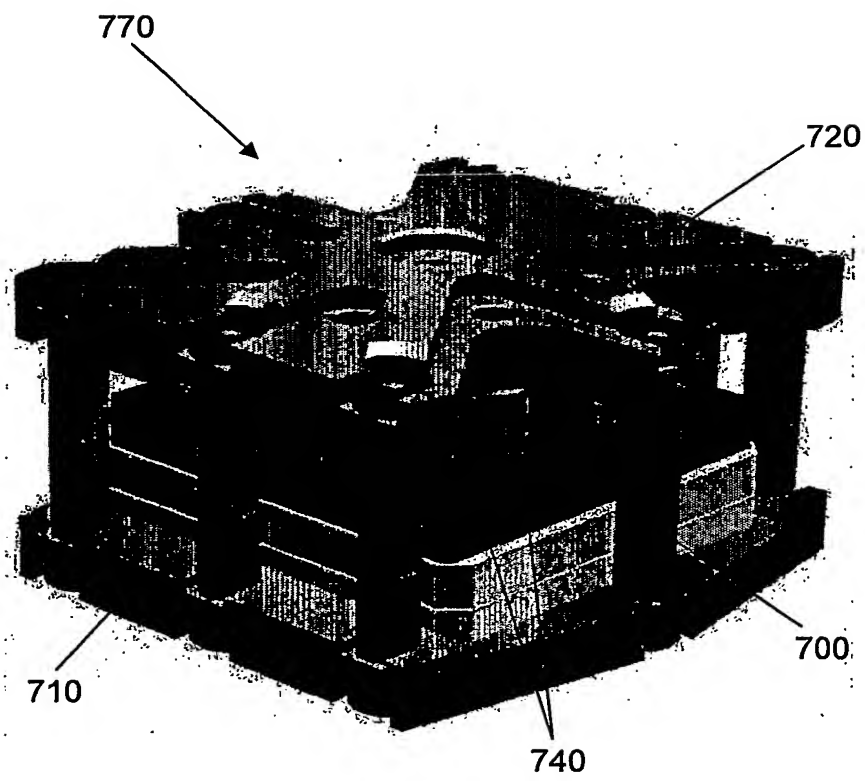
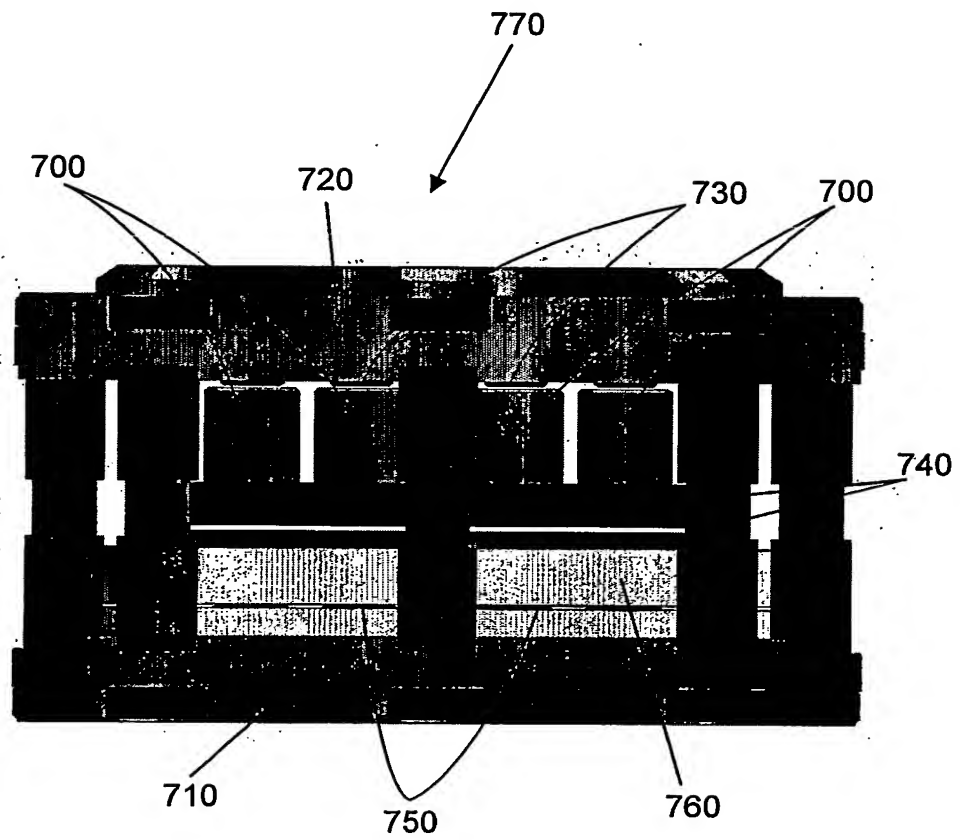


FIG. 32



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FIG. 33

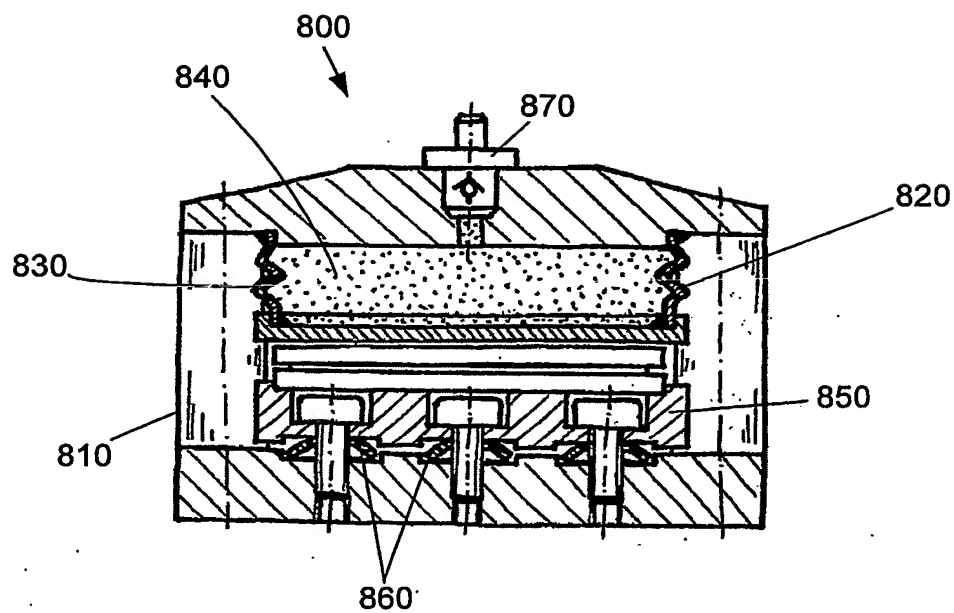


FIG. 34

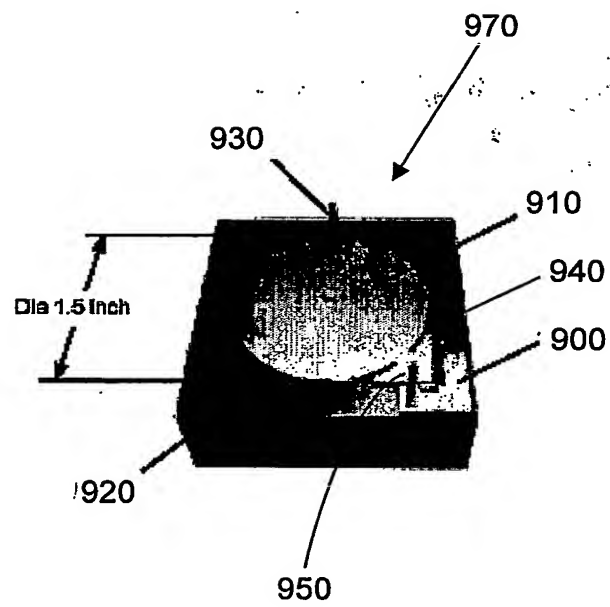


FIG. 35

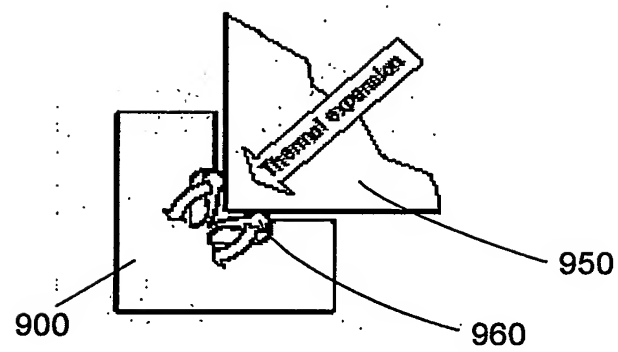


FIG. 36a

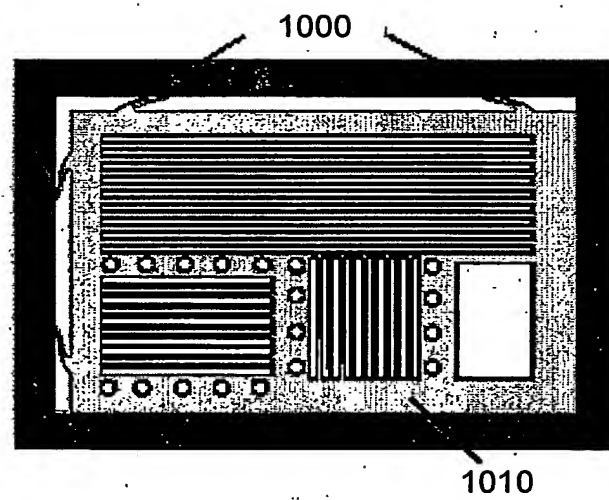
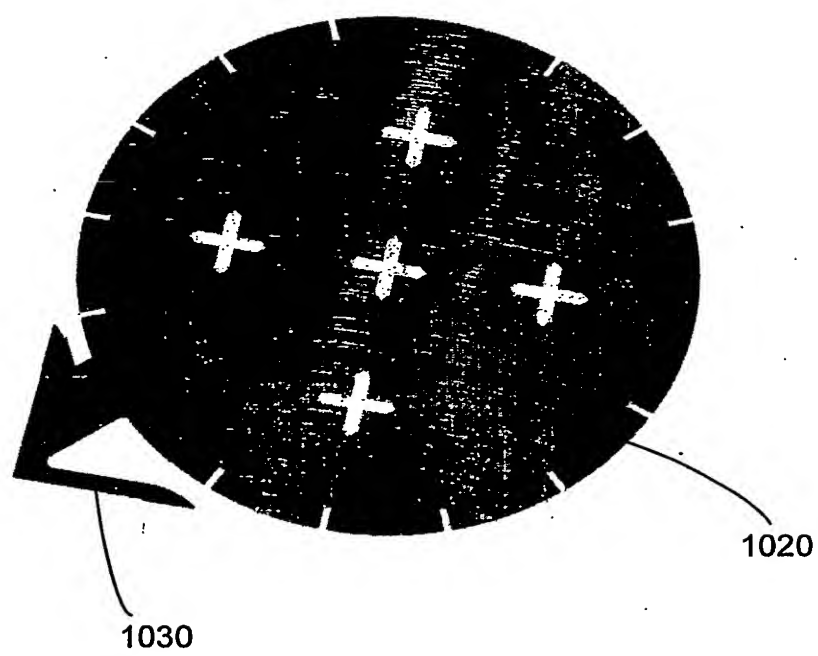


FIG. 36b



37a

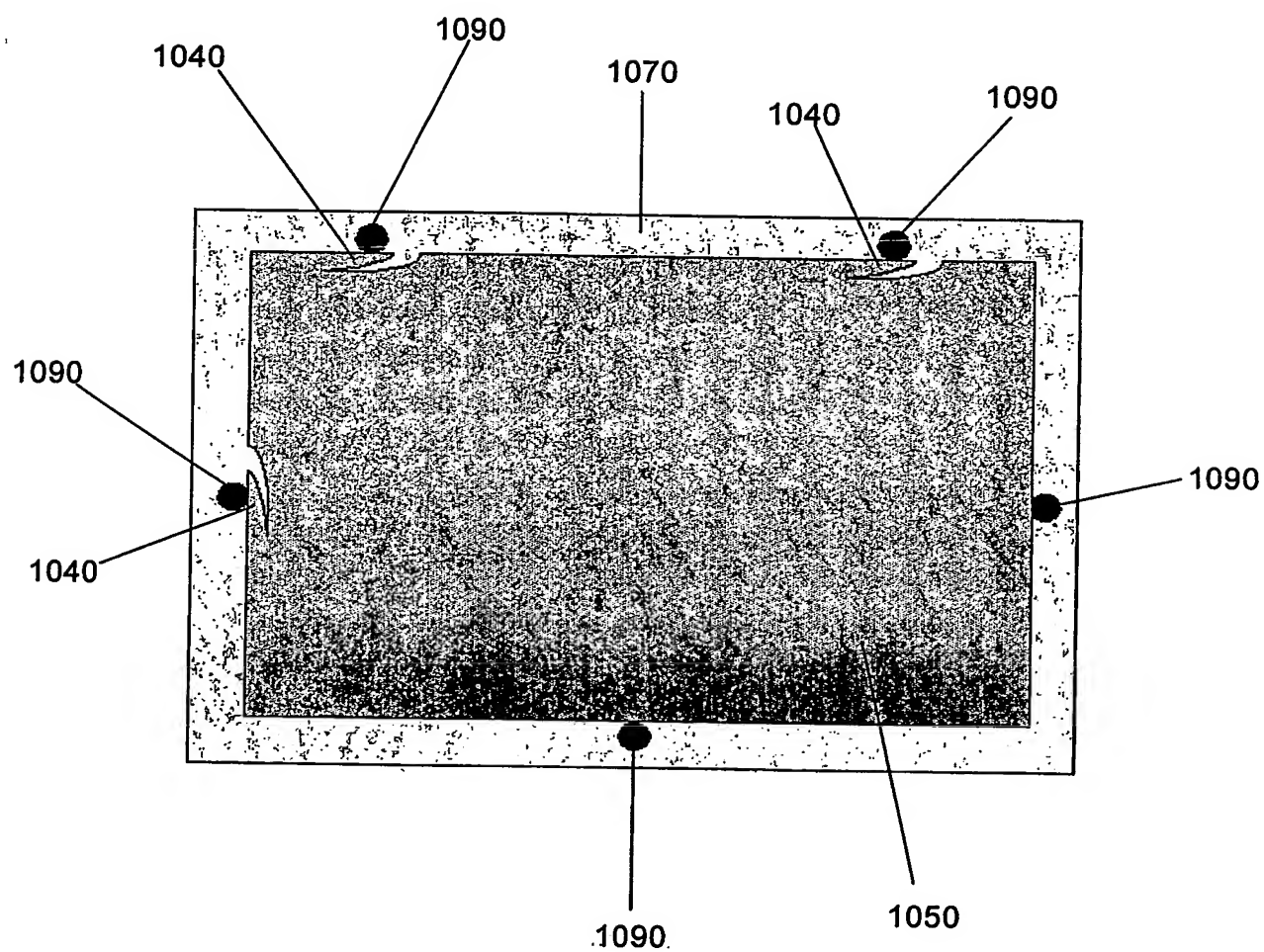


FIG. 37b

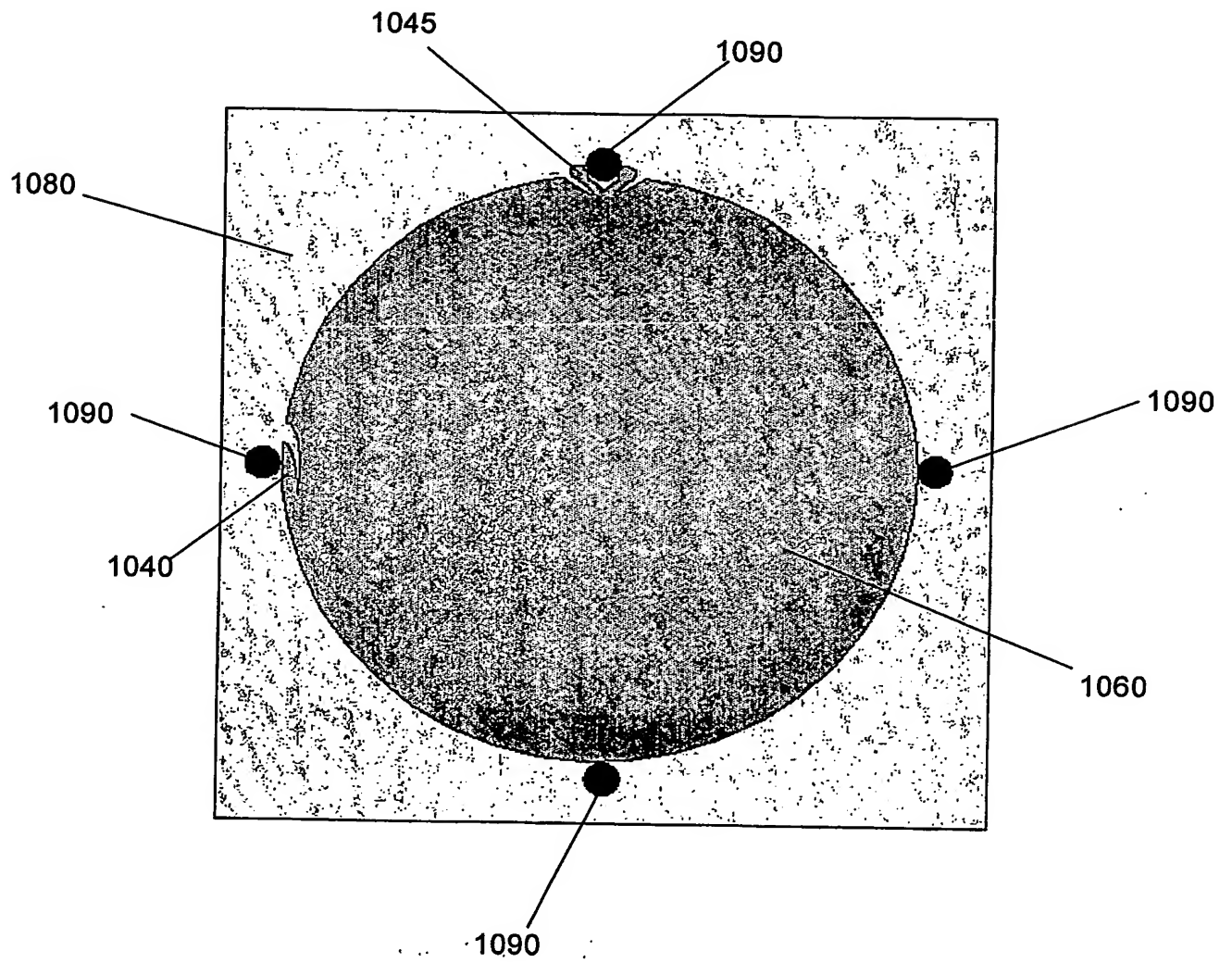


FIG. 38

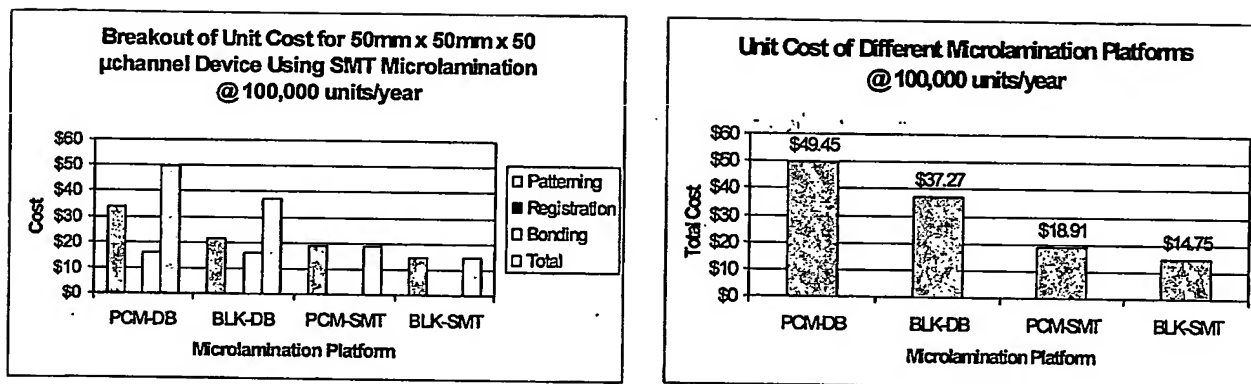


FIG. 39

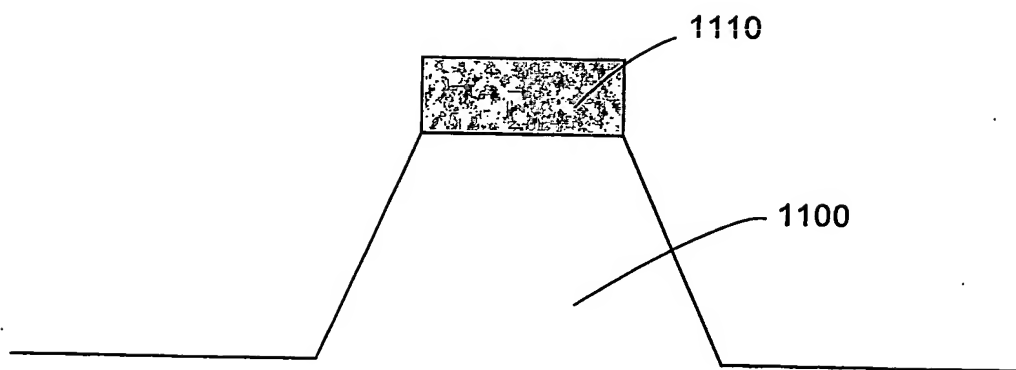


FIG. 40

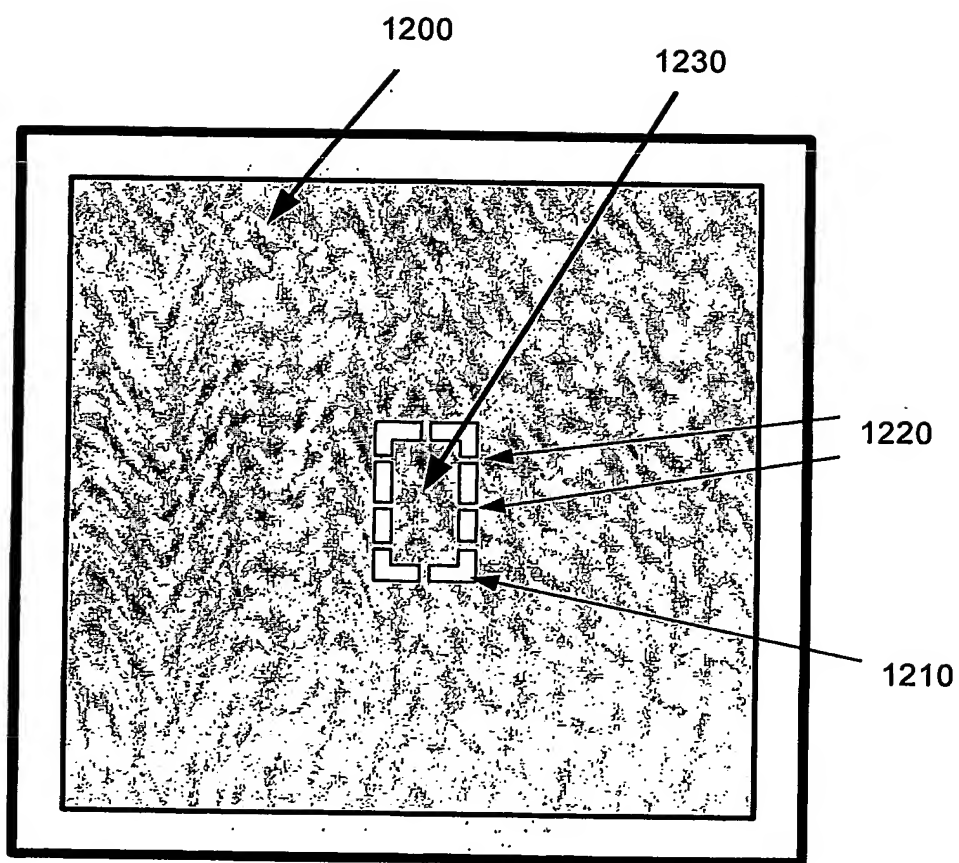


FIG. 41

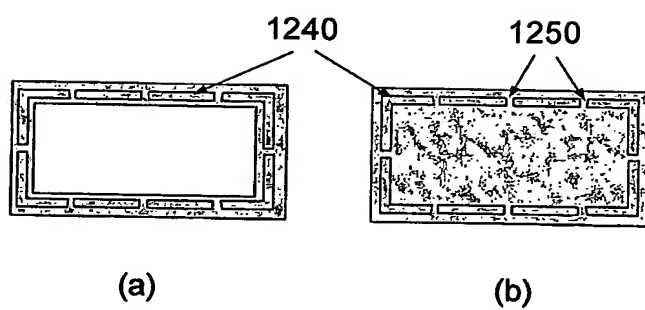
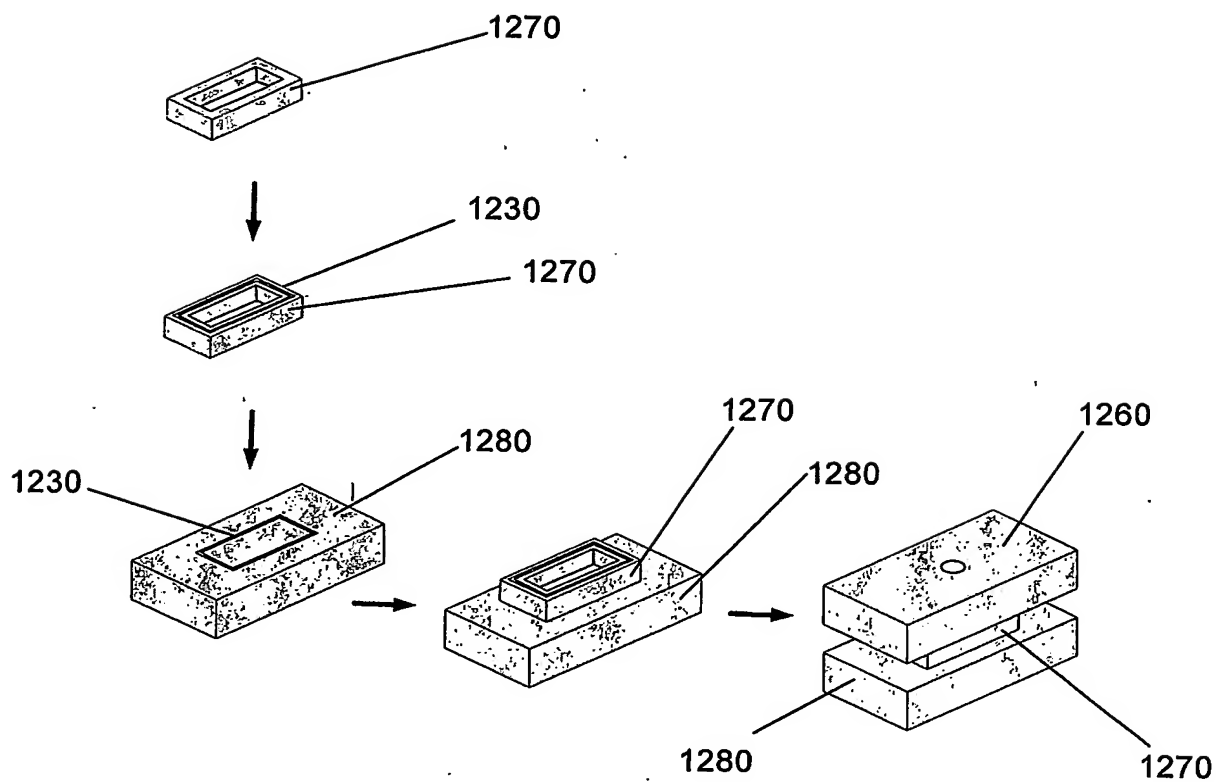


FIG. 42



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FIG. 43

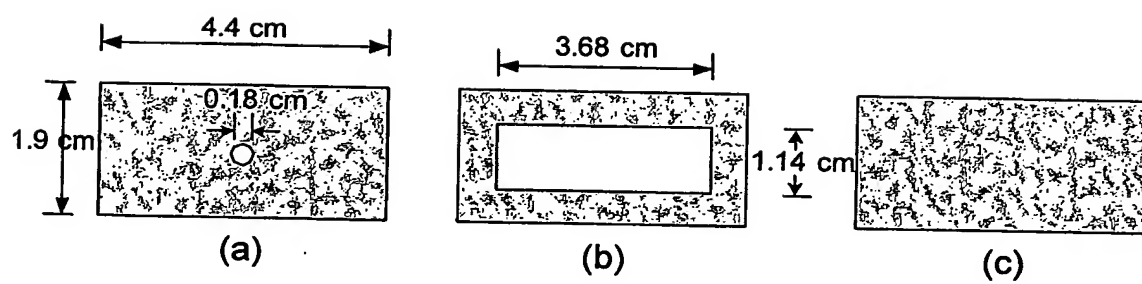


FIG. 44

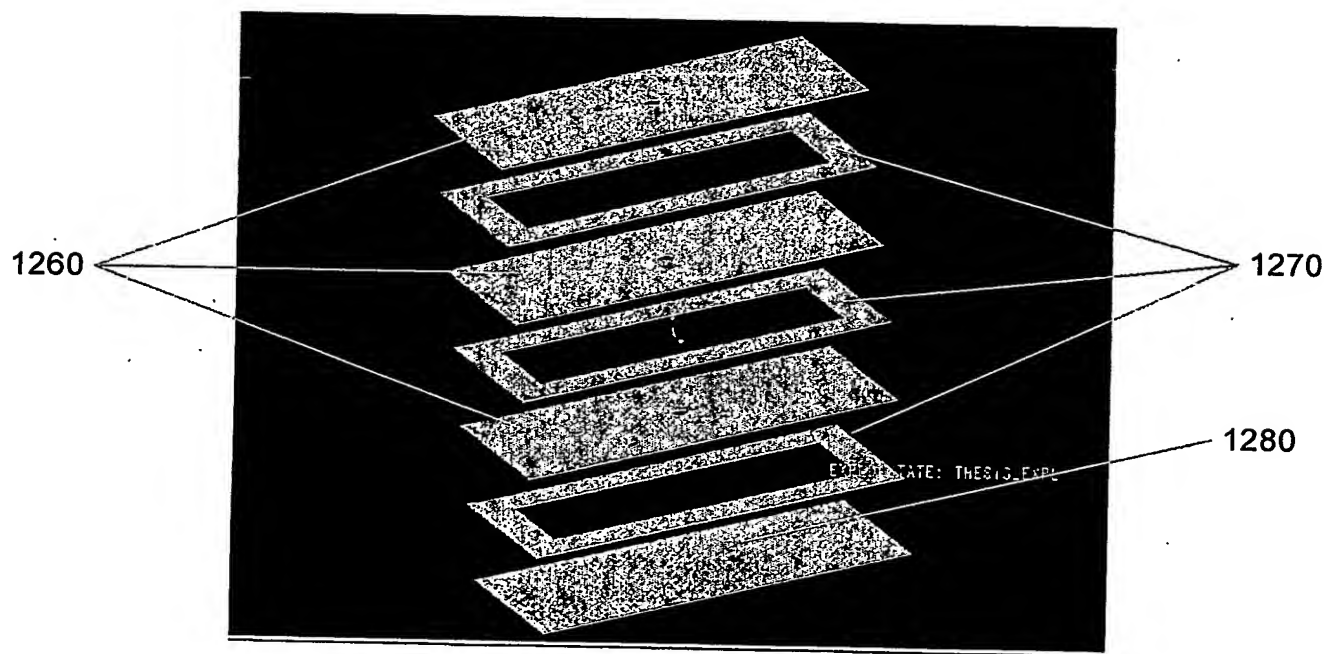


FIG. 45

Parameter	Value
Area of solder paste printed (A_p)	1.342 cm ²
Height of printed solder paste (t_p)	0.051 cm ²
Solids Loading (S)	50%
Spacer Area (A)	4.258 cm ²
Lamina thickness (t)	0.020 cm

FIG. 46

		Channel		
		Top	Middle	Bottom
Sample 1	Average Channel Height (microns)	273.7	273.0	263.0
	Standard Deviation	1.03	1.79	2.83
Percentage variation: $\pm 0.6\%$				
Sample 2	Average Channel Height (microns)	279.0	275.7	270.0
	Standard Deviation	2.83	5.16	1.09
Percentage variation: $\pm 1.1\%$				
Sample 3	Average Channel Height (microns)	268.7	272.3	263.0
	Standard Deviation	2.94	2.06	4.19
Percentage variation: $\pm 1.1\%$				
Overall Empirical Mean Channel Height		$270.9 \pm 1.2\%$		
Theoretical Mean Channel Height		267.2		

FIG. 47

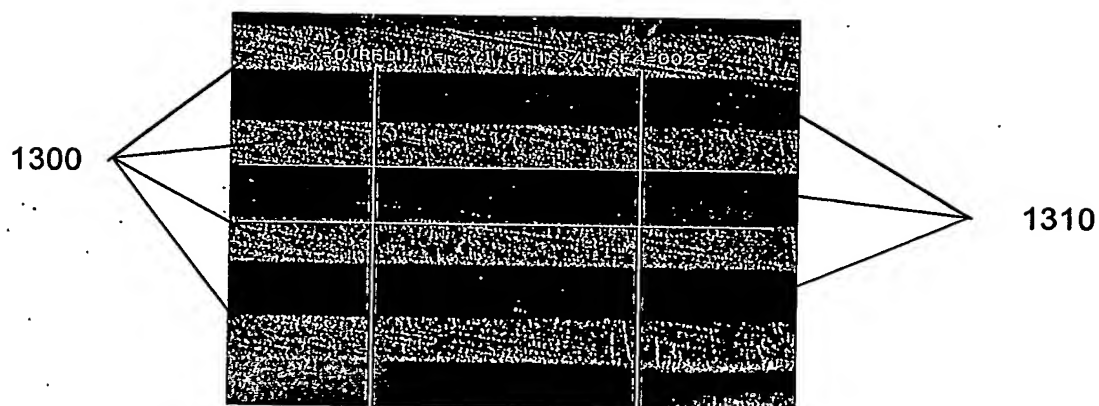


FIG. 48

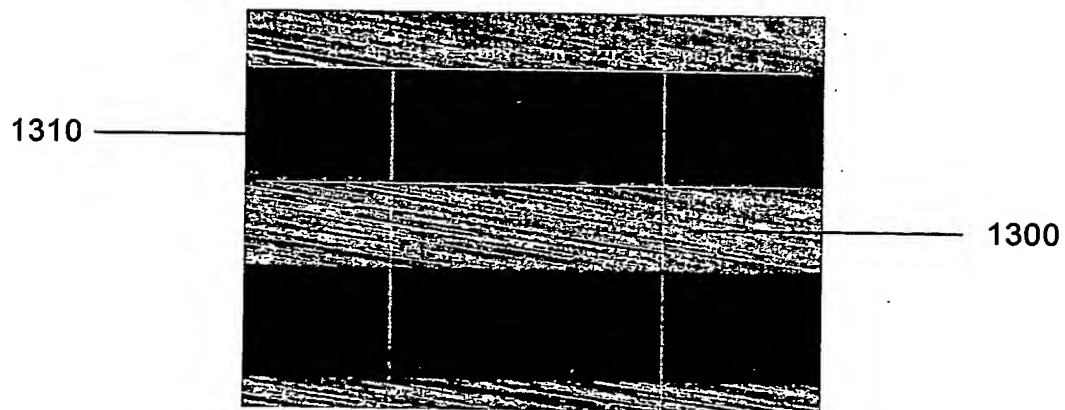


FIG. 49

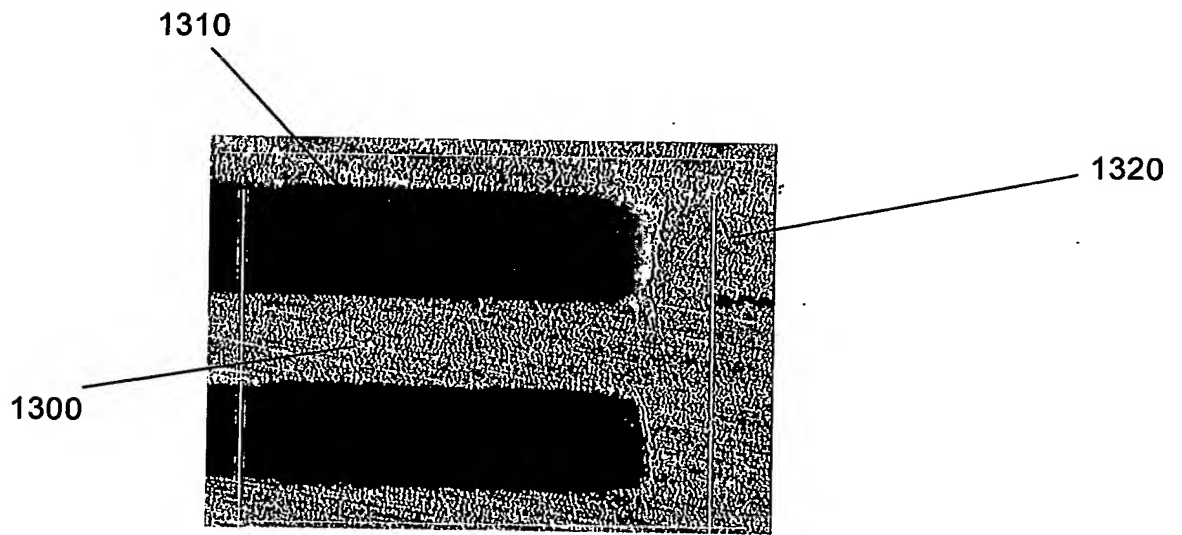
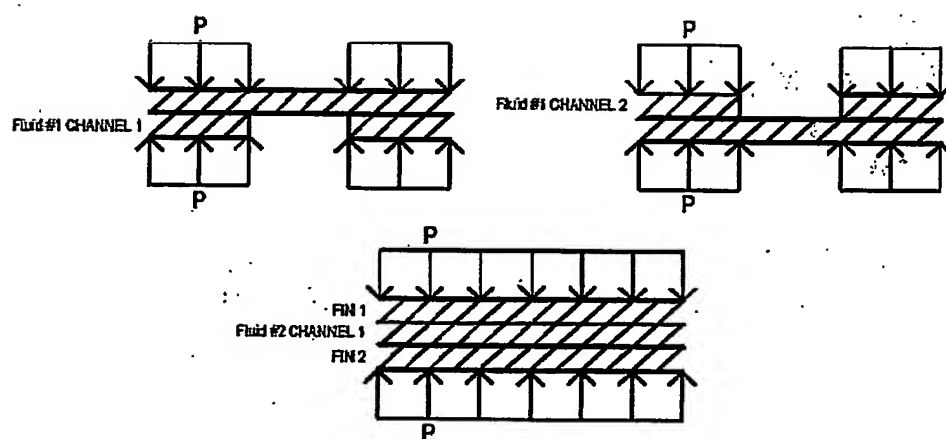


FIG. 50



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